

Danish", at Lund University, Sweden, in March on "Eksperimenter med sætningsintonationen i dansk" ('Experiments on sentence intonation in Danish'), at Uppsala University, Sweden, in April on "Kontrastemfas och satsintonation i danskan" ('Emphasis for contrast and sentence intonation in Danish'), and at Lund University, Sweden, in December on "Leksikalsk tryk, kontrasttryk og sætningsintonation i moderne københavnsk" ('Lexical stress, contrastive stress, and sentence intonation in Advanced Copenhagen Danish'). In April she gave a talk on "Prosody" at the Annual Meeting of the Audiologopedics Association (together with Gösta Bruce, Lund University, Sweden).

Eli Fischer-Jørgensen received the honorary degree of fil.dr. at Lund University in June, and the honorary degree of dr.phil. at Aarhus University in September.

INSTRUMENTAL EQUIPMENT OF THE LABORATORY
BY THE END OF 1978

1. Instrumentation for speech analysis

- 2 Sona-Graphs, Kay Elemetrics, type 6061 A
- 2 amplitude display/scale magnifier units, Kay Elemetrics, type 6076 A
- 1 contour display unit, Kay Elemetrics, type 6070 A
- 1 fundamental frequency extractor ("Trans Pitchmeter")
- 1 intensity meter (dual channel, with active variable highpass and lowpass filters)
- 1 electro aerometer (dual channel)
- 2 air-pressure manometers, Simonsen & Weel, type HB 66 (modified)
- 1 photo-electric glottograph
- 1 Fabre glottograph
- 1 palatoscope with complete outfit for palatography
- 1 segmentator, type PT
- 1 electro-aerometer, four channel, type AM 508/4
- 1 audio frequency filter, type 445
- 1 vocal cords fiberscope, Olympus, type VF
- 1 fundamental frequency meter, type FFM 650

- 1 Sona-Graph, Kay Elemetrics, type 7029 A
- 2 intensity meters, Fonema
- 2 fundamental frequency meters, Fonema.

2. Instrumentation for speech synthesis

- 1 formant-coded speech synthesizer
- 1 voice-source generator
- 1 larynx vibrator with power supply.

3. Filters

- 1 LC highpass filter (with stepwise variation of cut-off frequency)
- 1 active RC lowpass filter.

4. Instrumentation for visual recordings

- 1 mingograph, Elema 800 (8 channels)
- 1 automatic frequency response and spectrum recorder, Brüel & Kjær, type 3332
- 1 oscilloscope, Tektronix, type 502 A
- 2 oscilloscopes, Tektronix, type 564 storage
- 1 dual-trace amplifier, Tektronix, type 3A1
- 1 four-trace amplifier, Tektronix, type 3A74
- 1 dual-trace differential amplifier, Tektronix, type 3A3
- 1 time-base, Tektronix, type 3B3
- 1 time-base, Tektronix, type 2B67
- 1 oscilloscope, Tektronix, type 465
- 1 oscilloscope, Tektronix, type 5115
- 2 dual-trace amplifiers, Tektronix, type 5A18N
- 1 time-base, Tektronix, type 5B10N
- 1 mingograph, Siemens-Elema, type 803.

5. Tape recorders

- 1 instrumentation recorder, Lyrec, type TR 86
- 1 professional recorder, Lyrec, type TR 42
- 2 professional recorders, Lyrec, type TR 20
- 10 semi-professional recorders, Revox, type A 77
- 1 professional recorder, Revox, type A 700

- 1 portable semi-professional recorder, Uher, type 4000
- 1 cassette recorder, Tandberg, type TCD 310 MK-2.

6. Gramophones

- 2 gramophones, Delphon (mono, Ortofon pick-up).

7. Microphones

- 1 microphone, Neuman, type KM 56
- 3 dynamic microphones, Sennheiser, type MD 21
- 1 1" microphone, Brüel & Kjær, type 4131/32
- 1 1/4" microphone, Brüel & Kjær, type 4135/36
- 1 larynx microphone
- 2 1" microphones, Brüel & Kjær, type 4145
- 1 microphone, power supply, Brüel & Kjær, type 2807
- 1 microphone, power supply, Telefunken.

8. Amplifiers

- 1 microphone amplifier, Brüel & Kjær, type 2603
- 1 power amplifier, Brüel & Kjær, type 2706
- 2 microphone pre-amplifiers, Brüel & Kjær, type 2627
- 2 measuring amplifiers, Brüel & Kjær, type 2607 A.

9. Loudspeakers/headphones

- 3 loudspeakers, Beovox, type 2600
- 10 headphones, Sennheiser, type 414
- 4 headphones, Sennheiser, type 424
- 2 loudspeakers, Beovox, type M 70
- 2 headphones, Sennheiser, type 424 X
- 8 loudspeakers, Philips, type RH 541 MFB.

10. General-purpose electronic instrumentation

- 1 oscillator, Hewlett & Packard, type CD 200
- 1 function generator, Wavetec VGC III (0.003 c/s - 1 Mc/S)
- 1 frequency counter, Rochar, type A 1360 CH (5 digits)
- 2 vacuum-tube voltmeters, Brüel & Kjær, type 2409
- 1 vacuum-tube voltmeter, Radiometer, type RV 23b
- 1 DC millivoltmeter, Danameter, type 205

- 1 DC nanoammeter, Danameter, type 206
 - 1 universal meter, Philips, type P 817
 - 1 transistor tester, Taylor, model 44
 - 1 Piston-phone, Brüel & Kjær, type 4220
 - 1 component bridge C/L/R, Wayne Kerr, type B 522
 - 1 AC automatic voltage stabilizer, Claude Lyons, type BTR-5F
 - 4 resistance decades, Danbridge, type DR 4
 - 1 condenser decade, Danbridge, type DK 4 AV
 - 1 multi-generator, Exact, type 126 VCF
 - 2 stabilized rectifiers, Danica, type TPS 1d
 - 1 stabilized rectifier, Danica, type TPS 3c
 - 1 impulse precision sound level meter, Brüel & Kjær, type 2204
 - 1 attenuator set, Hewlett Packard, type 350 D
 - 1 band-pass filter set, Brüel & Kjær, type 1615
 - 1 digital multimeter, Philips, type PM 2422
 - 1 timer counter, Advance, type SC3
 - 1 oscillator, Advance, type J2E
 - 1 X-Y recorder, Hewlett & Packard, type 7044 A
 - 1 noise generator, Brüel & Kjær, type 1405
 - 1 stabilized rectifier, Danica, type TPS 21
 - 1 capacitance meter, ECD Corp.
- Additional oscillators, rectifiers, etc., for special purposes.

11. Outfit for photography

- 1 Minolta camera SR-1 (with various accessories)
- 1 complete outfit for reproduction
- 1 Telford oscilloscope camera, type "A" (polaroid)
- 1 timer, Kaiser, type 4033
- 1 enlarger, Durst, type A 300
- 1 rapidoprint, Agfa, type DD 1437
- 1 dry-machine, Durst, type 400

12. Equipment for EDB

- 1 computer, Digital, PDP8/E, 8k
- 1 arithmetic unit, Digital, type KE 8-E
- 1 bootstrap loader, Digital, type MR 8-EC

1 add-on memory system 24k, Fabri-Tek, type 8/E
 1 dectape, Digital, type TD8-EM
 1 tape reader, GNT, type 24
 1 tape punch, GNT, type 34
 1 decwriter, Digital, type LA 30P
 1 teletype, Teletype, type ASR 33
 1 display terminal, Tektronix, type 4014-1
 1 real time clock, Digital, type DK8-EP
 1 a/d converter, Digital, type AB8-EA
 1 d/a converter, type PD
 1 disk drive, Digital, type RK 8J-ED
 1 disk drive, Plessey, type DD-8/B
 1 line printer, Binder Magnete, type BM 132
 3 CTR terminal, Perkin-Elmer, type FOX 1100

13. Projectors

1 Leitz projector for slides
 1 16 m/m tone film projector, Bell & Howell,
 "Filmsound 644"
 1 projector, Leitz, type Pradovit color 250.

ABBREVIATIONS EMPLOYED IN REFERENCES:

<u>AJPs.</u>	American Journal of Psychology
<u>AL</u>	Acta Linguistica
<u>ALH</u>	Acta Linguistica Hafniensia
<u>ARIPUC</u>	Annual Report of the Institute of Phonetics, University of Copenhagen
<u>Folia Ph.</u>	Folia Phoniatica
<u>FRJ</u>	For Roman Jakobson
<u>F&S</u>	Form and Substance (Akademisk forlag), Køben- havn 1971
<u>Haskins SR</u>	Status Report on Speech Research, Haskins Laboratories
<u>IJAL</u>	International Journal of American Linguistics
<u>IPO APR</u>	IPO Annual Progress Report
<u>JASA</u>	Journal of the Acoustical Society of America
<u>JL</u>	Journal of Linguistics
<u>JPh.</u>	Journal of Phonetics